

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARK
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
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09/390,554 09/03/99 PAU

D 98AG07053137

0232/1014

CHRISTOPHER F REGAN
ALLEN DYER DOPPELT MILBRATH & GILCHRIST
255 S ORANGE AVENUE
SUITE 1401 P O BOX 3791
ORLANDO FL 32802-3791

NOT ASSIGNED

2713

DATE MAILED:

10/14/99

**NOTICE OF INCOMPLETE REPLY
(Filing Date Granted)**

The reply filed on 10-8-99 to the Notice to File Missing Parts (Notice) mailed on 9-21-99 has been entered into the application. The reply, however, is incomplete for the following reason(s).

- ☒ 1. The filing fee required by the Notice has not been received. The amount of \$ 838 is due.
- ☒ 2. The surcharge of \$ 130 has not been received.
- ☒ 3. The oath or declaration for this nonprovisional application has not been received.
- ☐ 4. The oath or declaration for this nonprovisional application is not executed in compliance with 37 CFR 1.64(a) because:
 - ☐ a. The inventor's signature is missing.
 - ☐ b. The signature is missing for inventor(s) _____
 - ☐ c. The application is one filed under 37 CFR 1.42, 1.43, or 1.47, and the oath or declaration is not executed by the person(s) qualified to make the oath or declaration.
- ☐ 5. The cover sheet (37 CFR 1.151(c)(1)) for this provisional application has not been received.
- ☐ 6. The reply does not include _____

_____ as required by this Notice.

A complete reply must be timely filed to prevent **ABANDONMENT** of the above-identified application.

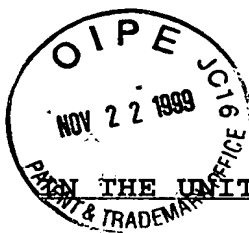
The period for reply remains as set forth in the Notice. You may, however, obtain an **EXTENSION OF TIME** under the provisions of 37 CFR 1.136(a) by filing a petition accompanied by the appropriate fee (37 CFR 1.17(a)).

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

A copy of this notice MUST be returned with the reply.


Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



SECRET #5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
PAU ET AL.)
Serial No. 09/390,554)
Filing Date: September 3, 1999)
For: METHOD AND SCALABLE ARCHITECTURE)
FOR PARALLEL CALCULATION OF THE)
DCT OF BLOCKS OF PIXELS OF)
DIFFERENT SIZES AND COMPRESSION)
THROUGH FRACTAL CODING)

RESPONSE TO NOTICE TO FILE MISSING PARTS AND NOTICE OF INCOMPLETE REPLY

Box Missing Parts
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

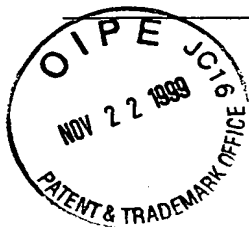
Responsive to the Notice to File Missing Parts mailed September 24, 1999 and the Notice of Incomplete Reply mailed October 14, 1999, Applicants enclose the following:

1. Filing fee of \$838.00 for a large entity (fee calculated according to Preliminary Amendment filed September 3, 1999 as shown below:

	(Col. 1)		(Col. 2)		LARGE ENTITY	
FOR:	# FILED		# EXTRA		RATE	FEE
BASIC FEE						\$ 760
TOTAL CLAIMS	7	-20	-0-		X 18	\$ -0-
INDEP CLAIMS	4	- 3	1		X 78	\$ 78
*If the difference in Col. 1 is less than "0", enter "0" in Col. 2.					TOTAL	\$ 838

\$5

In re Patent Application of:
PAU ET AL.
Serial No. 09/390,554
Filing Date: September 3, 1999



2. Surcharge of \$130.00 for large entity.
3. Declaration and Power of Attorney.
4. Copy of "Notice to File Missing Parts of Application--Filing Date Granted" mailed September 24, 1999 and copy of "Notice of Incomplete Reply mailed October 14, 1999.

5. Assignment to **STMicroelectronics S.r.l.,,** together with \$40 recordal fee and cover page.

Checks in the amounts of \$968.00 to cover the filing fee and surcharge, and \$40.00 to cover the assignment recordal fee are enclosed.

If any additional extension and/or fee is required, or if any additional fee for claims is required, charge Account No. 01-0484.

Respectfully submitted,

PAUL J. DITMYER
Reg. No. 40, 455
Allen, Dyer, Doppelt, Milbrath
and Gilchrist, P.A.
255 S. Orange Avenue, Suite 1401
Post Office Box 3791
Orlando, Florida 32802
407-841-2330
407-841-2343 fax
Attorney for Applicants

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: ASSISTANT COMMISSIONER FOR PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231, on this 19th day of November, 1999.



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
09/390,554	09/03/99 PAU		D 98AG07053137

0232/0924

CHRISTOPHER F REGAN
ALLEN DYER DOPPELT MILBRATH & GILCHRIST
255 S ORANGE AVENUE
SUITE 1401 P O BOX 3791
ORLANDO FL 32802-3791

NOT ASSIGNED

2713

DATE MAILED:

09/24/99

NOTICE TO FILE MISSING PARTS OF APPLICATION

Filing Date Granted

An Application Number and Filing Date have been assigned to this application. The items indicated below, however, are missing. Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). If any of items 1 or 3 through 5 are indicated as missing, the **SURCHARGE** set forth in 37 CFR 1.16(e) of ☐ \$65.00 for a small entity in compliance with 37 CFR 1.27, or ☒ \$130.00 for a non-small entity, must also be timely submitted in reply to this NOTICE to avoid abandonment.

If all required items on this form are filed within the period set above, the total amount owed by applicant as a

☐ small entity (statement filed) ☒ non-small entity is \$ 968

☒ 1. The statutory basic filing fee is:

☒ missing.

☐ insufficient.

Applicant must submit \$ 760 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).

☒ 2. The following additional claims fees are due:

\$ _____ for _____ total claims over 20.

\$ 78 for 1 independent claims over 3.

\$ _____ for multiple dependent claim surcharge.

Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

☒ 3. The oath or declaration:

☐ is missing or unsigned.

☐ does not cover the newly submitted items.

An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.

☐ 4. The signature(s) to the oath or declaration is/are by a person other than inventor or person qualified under 37 CFR 1.42, 1.43 or 1.47.

A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

☐ 5. The signature of the following joint inventor(s) is missing from the oath or declaration:

An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

☐ 6. A \$50.00 processing fee is required since your check was returned without payment (37 CFR 1.21(m)).

☐ 7. Your filing receipt was mailed in error because your check was returned without payment.

☐ 8. The application was filed in a language other than English.

Applicant must file a verified English translation of the application, the \$130.00 set forth in 37 CFR 1.17(k), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).

☐ 9. OTHER:

Direct the reply and any questions about this notice to "Attention: Box Missing Parts."

A copy of this notice MUST be returned with the reply.

M. May

Customer Service Center
Initial Patent Examination Division (703) 308-1202

00000127-09390554

11/2/1999 HLE111

76.00 OP
78.00 OP
130.00 OP

01 F-101
02 F-102
03 F-105

A6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
PAU ET AL.)

Serial No. 09/390,554)

Filing Date: September 3, 1999)

For: METHOD AND SCALABLE ARCHITECTURE)
FOR PARALLEL CALCULATION OF THE)
DCT OF BLOCKS OF PIXELS OF)
DIFFERENT SIZES AND COMPRESSION)
THROUGH FRACTAL CODING)

REQUEST FOR CORRECTION TO THE FILING RECEIPT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The filing receipt for the subject patent application has been received and reviewed for accuracy. Several discrepancies have been discovered. The filing receipt in error lists the first applicants' address as, "GIOVANNI, ITALY". It should be **DANILO PAU, SESTO SAN GIOVANNI, ITALY** as indicated on the patent application transmittal filed on September 3, 1999. A copy of the patent application transmittal sheet is enclosed. Lastly, the foreign priority application data is inaccurate. Between the applicant(s) and title portions of the filing receipt, the following should be indicated:

FOREIGN APPLICATIONS- EPO 98830522.3 09/07/98

In view of the errors noted, it is respectfully requested that a corrected filing receipt be issued in this application. A copy of the filing receipt with the corrections noted thereon is enclosed. Since these errors are believed to be errors of the Patent Office, such changes should be made at no expense to the applicants. However, if any fee is believed to be necessary, authorization is given to charge Deposit Account No. 01-0484.

In re Patent Application of:
PAU ET AL.
Serial No. 09/390,554
Filing Date: September 3, 1999



Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Paul J. Ditmyer".

Paul J. Ditmyer
Reg. No. 40,455
Allen, Dyer, Doppelt, Milbrath &
Gilchrist, P.A.
255 S. Orange Avenue, Suite 1401
Post Office Box 3791
Orlando, Florida 32802
407/841-2330
Attorney for Applicants

CERTIFICATE OF MAILING

I HEREBY CERTIFY that this **REQUEST FOR CORRECTION TO**
THE FILING RECEIPT for U.S. Serial No. **09/390,554** is being
deposited with the United States Postal Service as First Class
Mail in an envelope addressed to: ASSISTANT COMMISSIONER FOR
PATENTS, WASHINGTON, D.C. 20231, this 19th day of November,
1999.

A handwritten signature in cursive script, appearing to read "Eric Link".

FILING RECEIPT



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/390,554	09/03/99	2713	\$0.00	98AG07053137	24	8	4

CHRISTOPHER F REGAN
ALLEN DYER DOPPELT MILBRATH & GILCHRIST
255 S ORANGE AVENUE
SUITE 1401 P O BOX 3791
ORLANDO FL 32802-3791

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

SESTO SAN GIOVANNI

Applicant(s) **DANILO PAU, GIOVANNI, ITALY; ANDREA CAPASSO, BARI, ITALY; ROBERTO SANNINO, ROMANO LOMBARDO, ITALY; PASQUALINA FRAGNETO, VITULANO, ITALY.**

(September 7, 1998)

FOREIGN APPLICATIONS- EPO

~~988 30522.3~~
~~98930522.3~~

09/07/98
07/09/98

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 09/24/99
TITLE

METHOD AND SCALABLE ARCHITECTURE FOR PARALLEL CALCULATION OF THE DCT
OF BLOCKS OF PIXELS OF DIFFERENT SIZES AND COMPRESSION THROUGH
FRACTAL CODING

PRELIMINARY CLASS: 348

DATA ENTRY BY: MAY, MOLIKI

TEAM: 03 DATE: 09/24/99

|||||

(See reverse for new important information)

Case Docket No. 98AG07053137

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

EL436463465US

Transmitted herewith for filing is the patent application of:

Inventors: D. PAU, R. SANNINO, A. CAPASSO, P. FRAGNETO

For: **METHOD AND SCALABLE ARCHITECTURE FOR PARALLEL
CALCULATION OF THE DCT OF BLOCKS OF PIXELS OF DIFFERENT
SIZES AND COMPRESSION THROUGH FRACTAL CODING**

Enclosed are:

- (X) Patent Application: 46 pages, 4 claims.
- (X) 24 Sheets of drawings.
- (X) A certified copy of European Priority Application Number 98930522.3
- (X) Citation Under 37 CFR 1.97 and PTO-1449.
- (X) Preliminary Amendment.
- (X) Submission of Proposed Drawing Modification.

The Declaration and Filing Fee are **NOT ENCLOSED**.

Name, Address and Citizenship of Inventor(s) is as follows:

Danilo PAU
Via Dante, 131
20099 Sesto San Giovanni, Italy
Citizen of Italy

Roberto SANNINO
Via Duca d'Aosta, 4
24058 Romano Lombardo, Italy
Citizen of Italy

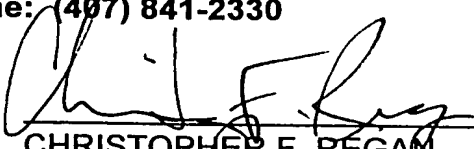
Andrea CAPASSO
Via De Giosa, 79
70100 Bari, Italy
Citizen of Italy

Pasqualina FRAGNETO
Via Roma, 69
82038 Vitulano, Italy
Citizen of Italy

PLEASE ADDRESS ALL CORRESPONDENCE TO ATTORNEY OF RECORD

CHRISTOPHER F. REGAN
Reg. No. 34,906
Allen, Dyer, Doppelt, Milbrath
& Gilchrist, P.A.
255 S. Orange Avenue, Suite 1401
P.O. Box 3791
Orlando, Florida 32802-3791
Phone: (407) 841-2330

September 3, 1999
Date


CHRISTOPHER F. REGAN
Reg. No. 34,906